

STATEMENT OF WORK

SOW-03-833-3-08953A-1/1

**FOR THE REBUILD PROGRAM OF THE
M1A1 MAIN BATTLE TANK**

NSN: 2350-01-087-1095

TAMCN: E1888

ID# 08953A

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STATEMENT OF WORK (SOW)

For The Rebuild Program Of The M1A1 Main Battle Tank NSN 2350-01-087-1095

1.0 Scope. This Statement of Work (SOW), along with Depot Maintenance Work Requirements (DMWRs), establishes and sets forth tasks, and identifies the work efforts that shall be performed by the Contractor. For the purpose of this SOW, Contractor is defined as the commercial or government entity performing the rebuild effort of the M1A1 Main Battle Tank. These documents contain requirements to restore the M1A1 Main Battle Tank to Condition Code “A”. Condition Code “A” is defined as “serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitation or restriction, including materiel with more than 6 months shelf-life remaining.”

1.1 Background. Rebuild is defined as “That maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through a maintenance technique or complete disassembly of elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the items.

2.0 Applicable Documents. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirements.

2.1 Military Specifications

MIL-P-64159	Interim Army WRCARC Type II, if unavailable use Type I
MIL-PRF-2104	Transmission and Final Drives Oil 15W40
MIL-PRF-10924G	Grease, Automotive and Artillery
MIL-PRF-23699	Lubricating Oil, Aircraft Turbine Engine, Synthetic Base, NATO Code Number 0-156

2.2 Military Standards

MIL-STD-129	DOD Standard Practice for Military Marking
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2.3 Other Government Documents and Publications

ATPD-2240	Tank Combat, Full Tracked, M1 Series, Processing for Storage and Shipment
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System
MI-08953A-25/1	Installation of Guard Assembly
MI-08953A-25/3	Installation of Position Location Reporting System
MI-08953A-25/5	Installation of The Two-Piece Fuel Nozzle Kit
MI-08953A-35/4	External Auxiliary Power Unit
MI-08953A-50/6	Upgrade Fire Control System (Armor Enhancement Initiative)
MI-08953A-35/2A	Installation of Sincgars Radio System
MI-08953A-35/8	Installation of Shield in Manual Hydraulic Pump Handle Assembly
MI-08953A-25/7	Replacement of Hydraulic Pump Pressure Hose
MI-08953A-35/9	Installation of Lubrication Fitting in The Inner Race Bearing Assembly
MI-08953A-35/10	Modify the Gunners Station
MI-08953A-35/11	Modify the Ammo Door Latch Mechanism
MI-08953A-35/12	Installation for the Automatic Fire Extinguisher System Wiring Harness Guard Kit
MI-08953A-35/13	Installation of the Battlefield Override System
MI-08953A-35/14	Installation of the Improved Drivers Periscope Retention
MI-08953A-35/15	Installation of the Smoke Generator Fuel Line
MI-08953A-35/16	Modify Drivers and Loaders Hatch Rim
MI-08953A-35/17	Installation of the Manual Blasting Machine Wiring Harness and Primer Diode Assembly
MI-08953A-35/18	Modify Drivers Hatch Lifting Mechanism
MI-08953A-35/19	Modify Commanders Weapon Station Hatch
MI-08953A-35/20	Improve Operation of the Hull Network Distribution Box
MI-08953A-35/21	Installation of the Pulse Jet Air System
MI-08953A-35/22	Replace Stub Case Catcher
MI-08953A-35/23	Modify Engine Component Fire Extinguisher System
MI-08953A-35/24	Dispersion Tube
MI-08953A-35/25	Install Filter Fire Modification
MI-08953A-35/26	Install Driver's Hatch Interlock System
MI-08953A-35/27	Retrofit External Auxiliary Power Unit
TB-09728-14&P	Install Intercommunication Set Vehicular AN/VIV-3 (V)1
TB 9-1300-278	Armor Vehicle Maintenance System
TB 9-2350-320-14	Armor Depleted Uranium
TB 9-2520-276-12	120MM Ammunition
TB 9-2590-509-23&P	Warranty for the Transmission
TB 43-0001-39-5	Mine Clearing Blade, M1A1
TI-5820-25/22	Track Components & Solid Rubber Tires
	Electromagnetic Environmental Effects (E3) Procedures for Installation of Communication Equipment on U.S. Marine Corps Platforms

TI-8400-15/16	Installation of Combat Identification Panel Kits on Marine Corps Vehicles
TM-4750-15/1	Painting Registration Markings
TM-4750-15/2	Camouflage Pattern
12260770B	M1A1 Tank Program Turret Test Station

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance
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2.4 Depot Maintenance Work Requirement (DMWR)

DMWR 9-1200-206-CEU	Computer Electronic Unit
DMWR 9-1200-206-GPS-1	Gunners Primary Sight
DMWR 9-1200-206-GPS-2	Gunners Primary Sight Azimuth Drive Assembly
DMWR 9-1200-206-GPS-3	Gunners Primary Sight Objective & Relay Assembly
DMWR 9-1200-206-GPSE	Commanders Gunners Primary Sight Extension
DMWR 9-1200-206-GTR	Gun Trunnion Resolver
DMWR 9-1200-206-LOS-EU	Line of Sight Electronic Units
DMWR 9-1200-206-LRF	Laser Range Finder
DMWR 9-1200-206-STDA	Servo Torque Drive Assembly
DMWR 9-1200-206-TEU	Thermal Electronic Unit
DMWR 9-1200-206-TIS	Thermal Image System
DMWR 9-1200-206-TPCU	Thermal Power Control Unit
DMWR 9-1200-206-TRU	Thermal Receiver Unit
DMWR 9-1200-206-GAS	Gunners Auxiliary Sight
DMWR 9-2350-255-3	Armor Repair
DMWR 9-2520-276 Vols1-3	Transmission Assembly W/Container
DMWR 9-2520-279	Final Drive
DMWR 9-2530-200-24	M1 Hull Track
DMWR 9-2350-264-2	Turret M1& M1A1
DMWR 9-2350-264-2-1	Traverse Servomechanism
DMWR 9-2350-264-2-2	Elevation Servomechanism
DMWR 9-2350-264-2-3	Turret Hydraulic Distribution Valve
DMWR 9-2350-264-2-4	Hull/Turret Slip Ring Assembly
DMWR 9-2350-264-2-5	Hydraulic Motor Assembly
DMWR 9-2350-555 Vols 1-6	Hull Power Plant Electronics Components
DMWR 9-2520-276-1 Vols 1-3	Transmission Assembly W/Container
DMWR 9-2550-526	Hydraulic Pump
DMWR 9-2835-255 Vols 1-5	Turbine Engine, Field Service Model AGT 1500 W/Container
DMWR 9-2910-231	Electro-Mechanical Fuel System
DMWR 9-2920-254	Generator (Westinghouse)
DMWR 9-2920-259	Generator (Bendix)
DMWR 9-2940-200	Rotary Pump Assembly
DMWR 9-4320-326	Hydraulic Pump (Vickers)
DMWR 9-4800-206	Nuclear, Biological, Chemical System

2.5 Stock List

SL-3-08953A

Tank, Combat, Full Tracked M1A1

2.6 Operators Manuals

TM 9-2350-264-10-1

Operator's Manual Vol 1

TM 9-2350-264-10-2

Operator's Manual Vol 2

TM 9-2350-264-12

Lube Order

2.7 Technical Manuals for Hull

TM 9-2350-264-20-1-1

Unit Maintenance Manual Vol 1

TM 9-2350-264-20-1-2

Unit Maintenance Manual Vol 2

TM 9-2350-264-20-1-3

Unit Maintenance Manual Vol 3

TM 9-2350-264-20-1-4

Unit Maintenance Manual Vol 4

TM 9-2350-264-20-1-5

Unit Maintenance Manual Vol 5

TM 9-2350-264-24-1

Schematics

TM 9-2350-264-24P-1

Unit Direct and General Support Maintenance

Repair Parts and Special Tools List

TM 9-2350-264-34-1-1

Unit Direct and General Support Maintenance Vol 1

TM 9-2350-264-34-1-2

Unit Direct and General Support Maintenance Vol 2

2.8 Technical Manuals for Turret

TM 9-2350-264-20-2-1

Unit Maintenance Manual Vol 1

TM 9-2350-264-20-2-2

Unit Maintenance Manual Vol 2

TM 9-2350-264-20-2-3

Unit Maintenance Manual Vol 3

TM 9-2350-264-20-2-4

Unit Maintenance Manual Vol 4

TM 9-2350-264-24-2

Schematics

TM 9-2350-264-24P-2

Unit Direct and General Support Maintenance

Repair Parts and Special Tools List

TM 9-2350-264-34-2-1

Unit Direct and General Support Maintenance Vol 1

TM 9-2350-264-34-2-2

Unit Direct and General Support Maintenance Vol 2

2.9 Technical Manuals for Sight/Fire Control

TM 9-1200-206-34-1

Unit Direct and General Support Maintenance Vol 1

TM 9-1200-206-34-2

Unit Direct and General Support Maintenance Vol 2

TM 9-1200-206-34-3

Unit Direct and General Support Maintenance Vol 3

TM 9-1200-206-34P-1

Unit Direct and General Support Maintenance

Repair Parts and Special Tools List Vol 1

TM 9-1200-206-34P-2

Unit Direct and General Support Maintenance

Repair Parts and Special Tools List Vol 2

2.10 Technical Manuals General

TM 5-4210-218-13&P	Fire Bottles
TM 9-1000-202-14	Evaluation of Cannon Tubes
TM 9-2300-422-23&P	Oil Analysis Program
TB 9-2350-283-23-1	Configuration Matrix
TM 9-2520-276-34	Transmission Maintenance
TM 9-2520-276-34P	Transmission Repair Parts and Special Tool List
TM 9-2520-279-34P	Final Drive
TM 9-2835-255-34	Engine Maintenance
TM 9-2835-255-34&P	Engine Repair Parts and Special Tool List
TM 9-4910-573-14&P	Ground Hop Support Set
TM 9-4910-751-14&P	STE-M1
TM 9-4910-753-13&P	Powerpack Maintenance Stand
TM 9-4931-586-12-1&P	Test Set DSETS (Core)
TM 9-4931-586-12-2&P	Test Set DSETS (M1)
TM 9-4931-586-12-4&P	Test Set DSETS (TIS)
TM 9-4931-586-30&P	Test Set DSETS (DS/MAINT)
TM 9-4933-259-14&P	Muzzle Boresight
TM 9-2530-200-24	Track
TM 9-6115-24&P1	External Auxiliary Power Unit
TM 11-5855-249-10	Drivers Viewer Operator's Manual
TM 11-5855-249-20	Drivers Viewer Maintenance Manual
TM 11-5865-309-2	Missile Countermeasure Device
12260770B	M1A1 Tank Program Turret Station

2.11 Industry Standards.

ANSI/ISO/ASQC Q9002-1994	Quality Systems- Model for Quality Assurance in Production, Installation, and Servicing
JESD625-A	Requirements for Handling Electrostatic-Discharge Sensitive (ESDS) Devices
<u>Industry Standards (For Guidance)</u>	
ANSI/EIA-649	National Consensus Standard for Configuration Management

Copies of Military Specifications and Standards are available from DOD Single Stock Point, e Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-2179, or <http://www.dodssp.daps.mil>. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Commander, Attn: Contracting Officer (Code 891), Marine Corps Logistics Bases, 814 Radford Blvd., Albany Georgia 31704-1128, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from the Life Cycle Management Center, Attn: Code 851-3,

814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (229) 639-6410 or DSN 567-6410.

3.0 Requirements

3.1 General Task. In fulfilling the specified requirements, the contractor shall:

- a. Provide material, labor, facilities, missing parts and repair parts necessary to rebuild, diagnose, restore, and test the M1A1. Upon completion of the Rebuild, vehicles shall be condition Code "A."
- b. Special Instructions in Appendix "A" must be adhered to.
- c. Weekly Status Report must be submitted.
- d. Final on-site inspection using Appendix "B" shall be performed and witnessed by a Code 833-3, Marine Corps Logistics Bases, Albany, Georgia representative.

3.2 Detail Tasks. The following tasks describe the different phases for the Rebuild of the M1A1.

3.2.1 Phase I – Pre-Induction Inspection - Pre-Induction inspection analysis shall be performed for each M1A1 Tank to identify any missing and unservicable components. These findings shall be annotated and provided to MCLB Albany (Code 833-3) in accordance with Section 4.0 and the Special Instructions (Appendix A) of this SOW.

3.2.2 Phase II - REBUILD. After pre-induction inspection has been completed, this Statement of Work, shall be accomplished in accordance with the following documents/publications:

DMWR 9-1200-206-CEU	Computer Electronic Unit
DMWR 9-1200-206-GPS-1	Gunners Primary Sight
DMWR 9-1200-206-GPS-2	Gunners Primary Sight Azimuth Drive Assembly
DMWR 9-1200-206-GPS-3	Gunners Primary Sight Objective & Relay Assembly
DMWR 9-1200-206-GPSE	Commanders Gunners Primary Sight Extension
DMWR 9-1200-206-GTR	Gun Trunnion Resolver
DMWR 9-1200-206-LOS-EU	Line of Sight Electronic Units
DMWR 9-1200-206-LRF	Laser Range finder
DMWR 9-1200-206-STDA	Servo Torque Drive Assembly
DMWR 9-1200-206-TEU	Thermal Electronic Unit
DMWR 9-1200-206-TIS	Thermal Image System
DMWR 9-1200-206-TPCU	Thermal Power Control Unit
DMWR 9-1200-206-TRU	Thermal Receiver Unit
DMWR 9-1200-206-GAS	Gunners Auxiliary Sight
DMWR 9-2350-255-3	Armor Repair
DMWR 9-2520-276 Vols1-3	Transmission Assembly W/Container
DMWR 9-2520-279	Final Drive
DMWR 9-2530-200-24	M1 Hull Track
DMWR 9-2350-264-2	Turret M1& M1A1
DMWR 9-2350-264-2-1	Traverse Servomechanism

DMWR 9-2350-264-2-2	Elevation Servomechanism
DMWR 9-2350-264-2-3	Turret Hydraulic Distribution Valve
DMWR 9-2350-264-2-4	Hull/Turret Slip ring Assembly
DMWR 9-2350-264-2-5	Hydraulic Motor Assembly
DMWR 9-2350-555 Vols 1-6	Hull Power Plant Electronics Components
DMWR 9-2520-276-1 Vols 1-3	Transmission Assembly W/Container
DMWR 9-2550-526	Hydraulic Pump
DMWR 9-2835-255 Vols 1-5	Turbine Engine, Field Service Model AGT 1500 W/Container
DMWR 9-2910-231	Electro-Mechanical Fuel System
DMWR 9-2920-254	Generator (Westinghouse)
DMWR 9-2920-259	Generator (Bendix)
DMWR 9-2940-200	Rotary Pump Assembly
DMWR 9-4320-326	Hydraulic Pump (Vickers)
DMWR 9-4800-206	Nuclear, Biological, Chemical System
MI-08953A-25/1	Installation of Guard Assembly
MI-08953A-25/3	Installation of Position Location Reporting System
MI-08953A-25/5	Installation of The Two-Piece Fuel Nozzle Kit
MI-08953A-35/4	External Auxiliary Power Unit
MI-08953A-50/6	Upgrade Fire Control System (Armor Enhancement Initiative)
MI-08953A-35/2A	Installation of Sincgars Radio System
MI-08953A-35/8	Installation of Shield in Manual Hydraulic Pump Handle Assembly
MI-08953A-25/7	Replacement of Hydraulic Pump Pressure Hose
MI-08953A-35/9	Installation of Lubrication Fitting in The Inner Race Bearing Assembly
MI-08953A-35/10	Modify the Gunners Station
MI-08953A-35/11	Modify the Ammo Door Latch Mechanism
MI-08953A-35/12	Installation for the Automatic Fire Extinguisher System Wiring Harness Guard Kit
MI-08953A-35/13	Installation of the Battlefield Override System
MI-08953A-35/14	Installation of the Improved Drivers Periscope Retention
MI-08953A-35/15	Installation of the Smoke Generator Fuel Line
MI-08953A-35/16	Modify Drivers and Loaders Hatch Rim
MI-08953A-35/17	Installation of the Manual Blasting Machine Wiring Harness and Primer Diode Assembly
MI-08953A-35/18	Modify Drivers Hatch Lifting Mechanism
MI-08953A-35/19	Modify Commanders Weapon Station Hatch
MI-08953A-35/20	Improve Operation of the Hull Network Distribution Box
MI-08953A-35/21	Installation of the Pulse Jet Air System
MI-08953A-35/22	Replace Stub Case Catcher
MI-08953A-35/23	Modify Engine Component Fire Extinguisher System Dispersion Tube
MI-08953A-35/24	Install Filter Fire Modification
MI-08953A-35/25	Install Driver's Hatch Interlock System
MI-08953A-35/26	Retrofit External Auxiliary Power Unit

MI-08953A-35/27

SL-3-08953A

Tank, Combat, Full Tracked M1A1

TB-09728-14&P

Armor Vehicle Maintenance System

TB 9-1300-278

Armor Depleted Uranium

TB 9-2350-320-14

120MM Ammunition

TB 9-2520-276-12

Warranty for the Transmission

TB 9-2590-509-23&P

Mine Clearing Blade, M1A1

TB 43-0001-39-5

Track Components & Solid Rubber Tires

TI-5820-25/22

Electromagnetic Environmental Effects (E3) Procedures for
Installation of Communication Equipment on U.S. Marine
Corps Platforms

TI-8400-15/16

Installation of Combat Identification Panel Kits on Marine
Corps Vehicles

TM-4750-15/1

Painting Registration Markings

TM-4750-15/2

Camouflage Pattern

TM 9-2350-264-10-1

Operator's Manual Vol 1

TM 9-2350-264-10-2

Operator's Manual Vol 2

TM 9-2350-264-12

Lube Order

TM 9-2350-264-20-1-1

Unit Maintenance Manual Vol 1

TM 9-2350-264-20-1-2

Unit Maintenance Manual Vol 2

TM 9-2350-264-20-1-3

Unit Maintenance Manual Vol 3

TM 9-2350-264-20-1-4

Unit Maintenance Manual Vol 4

TM 9-2350-264-20-1-5

Unit Maintenance Manual Vol 5

TM 9-2350-264-24-1

Schematics

TM 9-2350-264-24P-1

Unit Direct and General Support Maintenance

Repair Parts and Special Tools List

TM 9-2350-264-34-1-1

Unit Direct and General Support Maintenance Vol 1

TM 9-2350-264-34-1-2

Unit Direct and General Support Maintenance Vol 2

TM 9-2350-264-20-2-1

Unit Maintenance Manual Vol 1

TM 9-2350-264-20-2-2

Unit Maintenance Manual Vol 2

TM 9-2350-264-20-2-3

Unit Maintenance Manual Vol 3

TM 9-2350-264-20-2-4

Unit Maintenance Manual Vol 4

TM 9-2350-264-24-2

Schematics

TM 9- 2350-264-24P-2

Unit Direct and General Support Maintenance

Repair Parts and Special Tools List

TM 9-2350-264-34-2-1

Unit Direct and General Support Maintenance Vol 1

TM 9-2350-264-34-2-2

Unit Direct and General Support Maintenance Vol 2

TM 9-1200-206-34-1

Unit Direct and General Support Maintenance Vol 1

TM 9-1200-206-34-2

Unit Direct and General Support Maintenance Vol 2

TM 9-1200-206-34-3

Unit Direct and General Support Maintenance Vol 3

TM 9-1200-206-34P-1

Unit Direct and General Support Maintenance

Repair Parts and Special Tools List Vol 1

TM 9-1200-206-34P-2	Unit Direct and General Support Maintenance
TM 5-4210-218-13&P	Repair Parts and Special Tools List Vol 2
TM 9-1000-202-14	Fire Bottles
TM 9-2300-422-23&P	Evaluation of Cannon Tubes
TB 9-2350-283-23-1	Oil Analysis Program
TM 9-2520-276-34	Configuration Matrix
TM 9-2520-276-34P	Transmission Maintenance
TM 9-2520-279-34P	Transmission Repair Parts and Special Tool List
TM 9-2835-255-34	Final Drive
TM 9-2835-255-34&P	Engine Maintenance
TM 9-4910-573-14&P	Engine Repair Parts and Special Tool List
TM 9-4910-751-14&P	Ground Hop Support Set
TM 9-4910-753-13&P	STE-M1
TM 9-4931-586-12-1&P	Powerpack Maintenance Stand
TM 9-4931-586-12-2&P	Test Set DSETS (Core)
TM 9-4931-586-12-4&P	Test Set DSETS (M1)
TM 9-4931-586-30&P	Test Set DSETS (TIS)
TM 9-4933-259-14&P	Test Set DSETS (DS/MAINT)
TM 9-2530-200-24	Muzzle Boresight
TM 9-6115-24&P1	Track
TM 11-5855-249-10	External Auxiliary Power Unit
TM 11-5855-249-20	Drivers Viewer Operator's Manual
TM 11-5865-309-2	Drivers Viewer Maintenance Manual
	Missile Countermeasure Device

Deficiencies noted on the Pre-Induction Inspection analysis shall be rebuilt/replaced. Rebuild requires the replacement of mandatory replacement parts.

a. Hardware

(1) Replace broken, unserviceable and/or missing hardware including nuts, bolts, screws, washers, turnlock fasteners, mandatory replacement items, safety, and one-time use items, etc., in accordance with this SOW. Unserviceable would include any of the above that failed to function properly.

(2) Ensure proper hardware locking devices are present on all moving mechanical assemblies.

(3) Hardware normally supplied with commercial parts shall be used in accordance with applicable documents/publications and directives.

3.2.3 Phase III - Inspection, Testing and Final Acceptance

a. Inspection, Testing and Final Acceptance of the M1A1 shall be conducted in accordance with Appendix "A" and Appendix "B." These completed documents shall be provided to MCLB Albany Code 833-3 in accordance with Section 4.0 of this SOW.

b. The contractor shall be responsible for the conducting of required test and shall ensure all necessary personnel are available to complete the final acceptance. Final Acceptance Inspection and Testing shall be accomplished by the contractor and Marine Corps (Code 833-3) personnel. MCLB Albany Code 833-3 shall be given a minimum of two weeks notice prior to the beginning of final acceptance inspection and testing. The testing area shall be clear of all equipment parts, components, etc., not required for the final inspection/test.

c. The contractor shall be responsible for correcting any deficiencies identified during the final inspection/testing. MCLB Albany Code 833-3 may require the contractor to repeat test portions thereof, if the original test fails to demonstrate compliance with this SOW.

3.2.4 Phase IV – Packaging, Handling, Storage and Transportation (PHS&T)

a. The contractor shall be responsible for the preservation and packaging of items being repaired/rebuilt under the terms of this Statement of Work. Items scheduled for long term storage shall be in accordance with level “A” requirements of the ATPD 2240. Items scheduled for shipment to all other destinations, with the exception of the Maritime Pre-Positioned Forces (MPF), shall be preserved to level “B”, Drive-on/Drive-off. Items scheduled for overseas destinations shall be level “B” and have a label affixed which reads: “NOT FOR WEATHER DECK STOWAGE.” Items scheduled for MPF shall be preserved to level “B”, MPF Modified Drive-away

b. Drive-on/Drive-off and Modified Drive-away are defined as follows:

(1) Drive-on/Drive-off: Batteries shall be hot and disconnected from the vehicle electrical system. Terminals and leads shall be taped. Fuel tanks shall be $\frac{1}{4}$ full of JP8 or JP5. Air intake system, exhaust system, brake system, drive train and gauges shall be depreserved.

(2) MPF Modified Drive-Away: Batteries shall be hot and connected to the vehicle electrical system. Fuel system shall be $\frac{3}{4}$ full of JP8 or JP5. Air intake system, exhaust system, brake system, drive train and gauges shall be depreserved. Fire extinguisher bracket and seats shall be installed.

c. Marking shall be in accordance with MIL-STD-129.

d. The Marine Corps will provide the contractor with the shipping address(es) for delivery of the rebuilt equipment. The contractor shall be responsible for arranging for the shipment to the pre-designated site(s). The Marine Corps will be responsible for transportation cost associated with shipping the subject equipment to and from the Contractor.

3.3 Configuration Management

3.3.1 Configuration Status Accounting (CSA)

a. The Contractor shall record and submit data on retrofit accomplished during Phase II. All approved Modification Instructions (MI's) shall be verified or applied during Phase II of the Rebuild Program.

b. The contractor shall determine the application status of approved configuration changes by visual inspection. The government will identify the configuration changes to be inspected by furnishing a Configuration Inspection Checklist to the contractor. The contractor shall use one checklist Appendix B per M1A1 to record their inspection findings along with other required data.

c. The contractor shall record serial numbers of the assemblies listed on the Configuration Inspection Checklist. The contractor shall record the information on the same form that was used to record the application status of configuration changes.

3.3.2 Configuration Management. The contractor shall apply configuration control procedures to established configuration items. The contractor shall not implement any changes to an item's documented performance or design characteristics without written authorization. If it is necessary to temporarily depart from the authorized configuration, the contractor shall prepare and submit a Request for Deviation. MIL-HDBK-61 (paragraph 4.3 and Table 4-9) and ANSI/EIA-649 (paragraph 5.3.4) provide guidance for preparing these configuration control documents.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). GFE is government owned equipment authorized by the contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into the product being manufactured/remanufactured under a contract/statement of work. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA/Code 827-2), Marine Corps Logistics Bases, Albany, Georgia, will coordinate required GFE and will maintain a central control on Marine Corps assets in the Contractors possession. The MCA will forward a GFE Accountability agreement to the Contractors Facility for signature to establish a chain of custody and property responsibility for Marine Corps assets.

3.5 Contractor Furnished Materiel (CFM). The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel (CFM) is required for repair parts, the contractor shall requisition repair parts through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP), Chapter 11 authorizes contractors to requisition through the DOD Supply System.

3.6 Electromagnetic Environmental Effects (E3) Procedures.

a. The contractor shall plan for the proper E3 control procedures during the Rebuild process and use TI-5820-25/22 in conjunction with the detailed requirements specified in this document.

b. **Electrostatic Discharge (ESD) Control Program.** The contractor shall establish, implement, and document an ESD control program following the guidelines provided in ANSI/EIA-625. ESD protective measures shall be used during manufacturing, handling, inspection, test, marking, packaging, storing, and transporting ESD sensitive components.

3.7 Quality Assurance Provisions. The Contractor shall provide and maintain a quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9002-94, Quality Systems Model for Quality Assurance in Production, Installation, and Servicing. The Contractors work shall be subject to reviews and inspections for compliance with the procedures and standards by MCLB Albany Code

833-3 during working hours. Inspection by MCLB Albany Code 833-3 of test plans and materials furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet contract requirements which may be disclosed prior to final acceptance. Failure of the contractor to promptly correct deficiencies discovered shall be reason for suspension of acceptance until corrective action has been accomplished. The contractor shall have in place documented procedures and standards for quality assurance and the contractors work shall be subject to reviews and inspections for compliance with the procedures and standards by MCLB Albany Code 833-3. Noncompliance with procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such MCLB Albany Code 833-3 inspection, it shall be the contractors' responsibility to ensure that the entire system meets the performance requirements delineated and addressed in this SOW and applicable references. The contractor shall establish and maintain an Inspection System Requirement in compliance with ANSI/ISO/ASQC Q9002-94 and in accordance with this SOW. The contractor shall provide an Inspection and Test Plan to MCLB Albany Code 833-3.

3.8 Rejection. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by MCLB Albany Code 833-3. The contractor shall, at no additional cost to MCLB Albany Code 833-3, provide the following:

- a. Develop an approach for modification or correction of all discrepancies.
- b. Upon approval of a documented approach, the contractor shall correct the discrepancies.

4.0 Reports. The following reports shall be delivered to the following address: Life Cycle Management Center, Attn: Code 833-3, 814 Radford Blvd, STE 20320, Albany, Georgia 31704-0320.

4.1 Weekly Progress Report. The contractor shall provide Weekly Progress Reports, to MCLB (Code 833-3), Albany, Georgia 31704-0320, summarizing the progress and status of the Rebuild Program.

4.2 Pre-shop Analysis/Final Inspection Record/Acceptance Tests/Final Assembly and Testing/Final Performance Check. The rebuild facility shall complete a Pre-shop Analysis Checklist, Final Inspection Record, Acceptance Test, Final Assembly and Testing, and Final Performance Check for each M1A1 repaired. These documents shall be available during final acceptance inspection. One copy of each document shall be provided to MCLB Albany Code 833-3 after final acceptance of the M1A1.

4.3 Dynamometer Run-In Schedules. The contractor shall complete a copy of the Dynamometer Run-In Schedules. These documents shall show dynamometer test results required on the M1A1 during the Rebuild Phase. These documents shall be available during final acceptance testing. One copy shall be provided MCLB Albany Code 833-3 after acceptance of the M1A1.

APPENDIX A

SPECIAL INSTRUCTIONS FOR THE REBUILD OF THE M1A1 TANK

1. All Supply System Responsibility Items (SSRI) will be repaired/boxed and shipped with each vehicle to Condition Code "A" standards.
2. The contractor will perform a joint Final Acceptance Inspection with Marine Corps representatives in accordance with Appendix "B".
3. The contractor shall conduct a visual inspection prior to induction of any vehicles into the contractor's production facility for work identified within the SOW. Prior to the inspection, the contractor will notify Code 833-3 that they are ready to proceed with their pre-induction inspection.

NOTE

The contractor shall submit all Product Quality Deficiency Reports (PQDR's) and Reports Of Discrepancy (ROD's) to Code 833-3 no later than thirty (30) working days after the Pre-Induction Inspection is completed.

4. All vehicle lubricants will be replaced. New improved GAA Grease MIL-PRF-10924G will be used.
5. Remove power pack, steam clean engine compartment, remove all rust.
6. Preservative will be added to engine turboshaft oil MIL-PRF-23699 to comply with MPF directives.
7. 15W40 Oil will be used in Transmission and Final Drives. (MIL-PRF-2104)
8. All shocks and road arm housings will be removed 100%.
9. All fuel cells will be drained and cleaned in accordance with current directives.
10. JP8 or JP5 will be used in all Marine Corps Tanks. JP8 and JP5 are the primary fuel authorized for use.
11. Smoke Generator electrical cable for all vehicles will be disconnected at smoke generator fuel pump prior to adding JP8 or JP5. A Warning Tag will be attached to the vehicle master panel stating that the smoke generator will not be used (Tag should state: Fuel cells contain JP8/JP5)
12. All vehicle track, to include pads, will be serviceable Condition Code "A" T158/T158LL Track, in accordance with TB 43-0001-39-5.
13. All roadwheels will be serviceable Condition Code "A" IAW TB 43-001-39-5.

14. Rotary shocks found unserviceable will be replaced.
15. All turrets will be disassembled 100% for technical inspection, servicing, and corrosion prevention.
16. M1A1 Tank Program Turret Test Station and Procedure 12260770B will be used. This procedure provides facilities to accurately test the Thermal/Optical Target Acquisition and Fire Control Systems.
17. Gun tubes shall have a minimum of 500 Rounds remaining life.
18. Recoil mechanisms will be 100% disassembled/rebuilt in accordance with DMWR 9-2350-264-2
19. All "LRU" batteries will be replaced. (CEU)
20. Ammo compartments must be free of moisture, dirt, and rust.
21. All vision blocks will be Condition Code "A". (Only Laser Safe vision blocks are authorized).
22. Fire extinguishers shall have only MARROTTA or HTL type valves (NO CROWN).
23. All fire bottles will be hydrostatic tested and stenciled in one inch letters to reflect test date in a visible area as well as being stamped w/test date IAW CFR 29 and 49.
24. All petroleum, oil, and hydraulic leaks are unacceptable.
25. All Gas Particulate/Main NBC/Backup NBC filters will be replaced 100%. Only M48A1 Filters will be used.
26. V Packs and Seals shall be replaced 100%.
27. Serial Numbers D11239/L11239 and above will be of M1A1 Common Tank configuration.
28. During rebuild of the M1A1 Tanks, ANAD procures new installation sets for radio systems. Intercom systems will be operationally checked (AN/VIC-3). PLRS is checked for voltage at the connectors and cables only.
29. Ensure all tanks are in compliance with E3Q Directives.
30. All main NBC components will be removed from the sponson box, disassembled, rebuilt and tested as individual components on the applicable component test consoles prior to reinstallation.
31. The Digital Electronic Control Unit (DECU) Battery Cover (NSN 2590-01-318-0762) shall be replaced.

32. Unless otherwise directed, the contractor shall paint the interior/exterior of the vehicle with Water Reducible Chemical Agent Resistant Coating (CARC), MIL-P-64159 Type 1 and spot paint the interior as indicated in TM 4750-15/1 and TM 4750-15/2. Should the coating not be available the contractor shall request a waiver from Code 833-3 on a by system/vehicle basic.
33. Inspector will record an "A" in block 16 of the monthly page (NAVMC 10394). Block 17 will state Annual Service Preventive Maintenance (ASPM) completed.
34. All engines will be separated and each module will be inspected for erosion, corrosion and thermal damage. All engines will be 100% disassembled.
35. All engines and transmissions will be dynamometer tested prior to installation into vehicle.
36. Engine Performance: Tanks leaving the Contractor must meet the current performance standard of 41.5 Miles Per Hour + or- 3.5 Miles Per Hour as determined by the use of a Radar Gun. Mission Capability Power (MCP) number will not exceed 3. Engine should have sufficient power to achieve and maintain the required speed regardless of the time of day or temperature. Any exception would require a waiver from the Weapon System Manager (MCLB Albany Code 833-3).

Request for waiver shall contain the following:

- a. Date of Test _____.
- b. Temp at Time of Road Test _____.
- c. DECU Percent of Power _____.
- d. MCP# _____.
- e. Day Power _____ % TI V _____ PTS V _____ Table A and E 20-1-2
- f. Altitude _____ Table G 20-1-2
- g. Vehicle Location _____.
- h. Engine and Vehicle Ser#'s _____
- i. Engine Components Replaced During Rework

-
-
37. All units to include EEAP and Reserves will use the Standards outlined in the current Technical Manuals for Accepting/Rejecting Tanks with low engine power.
 38. The following meters will be zeroed out upon rebuild, odometer and hull network box time meter.
 39. The following action will be taken to improve the quality of preservation on the M1A1 Tank, in addition to requirements of ATPD 2240 dated 9 Jan 98.
 - a. Cover the air intake on the right side of the vehicle.
 - b. Cover the center vent located on the rear of the vehicle under the turret.

- c. Cover the air access door on the right and left of the vehicle.
 - d. Disconnect negative buss bar. Seal battery box doors.
 - e. Remove the drain plugs on the bottom of the storage box.
 - f. Seal tank commander hatch.
 - g. Apply P-19 preservative to the inside turret bolts around the loaders hatch.
 - h. Apply P-11 (GAA) to all exposed non-painted bare metal on the interior of the tank.
 - i. Ensure all required areas in the interior of the vehicle are painted.
 - j. Tape up drivers and loaders hatches. NOTE: This operation will have to take place after the vehicle is placed on the rail car.
 - k. Seal the access hole for the wind sensor.
 - l. Cut a breather hole in the wind sensor preservation bag so the bag will not collect water or condensation.
 - m. Clean the paint off of the side panel pins and apply P-19 preservative to the surface.
 - n. Seal the gun tube elevation area on exterior of turret.
40. Frequency response and stabilization at the test track will be used in lieu of the 1800 Test.
41. For purposes of clarification and definition, throughput time shall be defined as that time the vehicle is received by the contractor till the time the vehicle is placed back into Condition Code "A".
42. Code 833-3 reserves the right to request a Production Progress meeting when deemed appropriate to discuss issues of concern regarding throughput time. Code 833-3's support objectives as they relate to throughput time are threshold of 90 days with an optimal objective of 60 days.

APPENDIX B
M1A1
Final Acceptance Inspection Checklist

HULL

<u>ITEM</u>	<u>STANDARD</u>	<u>INSPECTOR</u>
1. ROADTEST	Inspect vehicle condition and fluid levels prior to road test. Class I, II, III fuel leaks are unacceptable. Verify operation of all controls and suspension system components. Warning/caution lights must operate. Road test vehicle at least 5km. Perform Engine Health test and BIT on DECU prior to and after road test; If fault message appears on display, troubleshoot accordingly.	_____
2. PERFORMANCE	Min. speed requirement shall be 41.5 mph +/- 3.5 mph as determined by the use of a Radar Gun. This is a Contractor requirement for this SOW.	_____
3. SPEEDOMETER	Must be operational. Unusual movement of needle is unacceptable.	_____
4. PANELS DIP, DMP, DAP <input type="checkbox"/>	a. Gages, lights and switches shall operate properly.	_____
	b. All data shall be legible.	_____
	c. Mounting.	_____
5. SMOKE GENERATOR	Smoke generators shall be disconnected and red-tagged on steering column "DO NOT USE"	_____
6. PARKING AND SERVICE	a. Apply parking brake, move shift control to "L" and run engine slightly above idle. (1000-1100 rpm). Tank should not move.	_____
	b. Hydraulic pressure must remain between 1150 and 1700 PSI on parking brake gage. Leaks are unacceptable.	_____
<u>ITEM</u>	<u>STANDARD</u>	<u>INSPECTOR</u>
7. DRIFTING	Drive tank with control centered. Unusual wondering or pulling is unacceptable. REQUIREMENTS: 3 feet drift maximum in 100 foot distance on smooth pavement.	_____

8. SHIFT RANGE	a. Control shall operate properly, no binding.	_____
	b. Transmission shall operate properly in all ranges.	_____
9. TACTICAL IDLE	Must operate properly. REQUIREMENT is 1250 - 1350.	_____
10. HULL	a. Damaged, missing parts, and leaks are unacceptable. All lines, fittings, hardware, and components shall be serviceable.	_____
	b. All labels and decals must be affixed and legible	_____
11. SKIRTS, HARDWARE	Must all be present and serviceable. Hinges and struts shall be serviceable with pins straight, secured with ring pins or roll pins. Cracks and damage are unacceptable.	_____
12. FENDERS MUDGUARDS	Holes/cracks NTE 3/8", dents NTE 8" in length and 1/2" in depth. Shall be properly installed with torsion bar hold-down assemblies.	_____
13. HULL ACCESS & GRILL DOORS	All doors and accesses shall be serviceable and in place with required hardware	_____
14. EXTERIOR LIGHTS	All lights shall function properly, housing shall be serviceable, all mounting secure. Lenses shall not be cracked and shall not contain moisture.	_____
15. PLENUM SEAL	Remove hull inspection plate on bottom of vehicle, inspect seal for sealing, cuts, rips, or holes. Insure seal clamp is flat and in place around flange. NOTE: No clamp required on new type seal.	_____
16. DRAIN VALVES	Shall operate properly without binding.	_____

ITEM	STANDARD	INSPECTOR
17. TRACK ADJUSTING LINK AND TRACK TENSION	Loose, missing, broken hardware and lube fittings, loose or missing lock bolt is unacceptable. Pressure relief valve must be capable of holding 2750 - 3200 PSI.	_____
18. ROADWHEEL, COMP IDLER, SUPPORT ROLLERS	Must be serviceable to include the wearplates. Fifty percent factor in TM refers to width only. Chunking NTE 20 percent of entire area. Base separation NTE 3/4" on either side. Wear plate shall have a minimum of circumference of the wheel at the top of plate.	_____
	Leakage Criteria: No grease leakage, however, lubrication leakage is normal at rear of Support Roller in seal adjacent to housing during lubricating.	
19. SHOCK ABSORBERS	a. After road test, check housings for temp cooler than others. Check with hand.	_____
	b. The following conditions are unacceptable:	
	(1) Oil leaks.	_____
	(2) Loose or damaged hardware, plugs, and fittings.	_____
	(3) Cracked, painted, or distorted sight gage. (frosting is acceptable)	_____
	(4) Contaminated.	_____
	c. Leakage Criteria: No oil leakage around Shock Absorbers.	
20. BUMPER STOP BRACKETS	Missing/broken brackets are unacceptable. Required mounting hardware shall be tight at the 1, 2, and 7 positions.	_____

21. TORSION BARS The following conditions are unacceptable:

(1) Arm lifted off track. _____

(2) Number 2 thru 6 arms can be lifted with pry bar. _____

(3) Tank is tilted or lifting of roadwheel and track at the number 1, 2, and 7 positions _____

(4) Broken, damaged, or missing caps. _____

22. ROADWHEEL

a. After road test, check hubs for one hotter (unusual temp) than others with hand. _____

b. The following conditions are unacceptable:

(1) Improper oil level. _____

(2) Loose hardware, plugs and fittings. _____

(3) Cracked, painted, or distorted hub caps. _____

(4) Missing or loose support roller retainer shaft retainer pin. _____

(5) Contaminated _____

c. Comp idler shall meet requirements of 1/8" clearance between end connector and skirt. _____

d. Gap between the comp idler and retainer shall not exceed 1/4" (.250). _____

e. Leakage Criteria: No evidence of oil leakage (weep) around Roadwheel and Compensating Idler Hubs at fill plug and flange of hubcaps. At the rear of each hub in the seal area leakage not to exceed 1 drop of oil in 2 hours. At each Arm Upper Spindle in the seal area at positions 1, 2, and 7 leakage not to exceed 1 drop of oil in 2 hours. No grease leakage at seal areas at Upper Spindle at positions 3, 4, 5, and 6.

**23. SPROCKETS,
HUBS, FINAL
DRIVES**

The following conditions are unacceptable:

- (1) Missing or loose hardware. _____
- (2) Cracks or sharp edged gouges at hub. _____
- (3) Exceeds wear gauge limits. _____
- (4) Excessive cupping _____
- (5) If powerpack is pulled, check trunions, bolt holes etc. _____

Leakage Criteria: No evidence of drip or droplet leakage except during and immediately after engine operation when a drip of 1 drop per 5 minutes is permissible at the Output Shaft Seal area.

24. TRACK

- a. Inspect shoe assemblies for missing, bent, or broken center guides and loose or missing nuts and bolts. _____
- b. Check for missing, cracked, or unserviceable end connectors. _____
- c. End connector wedge bolts shall be tight and seated properly. _____
- d. Check for cracked or broken end plates. _____
- f. Inspect for dead (broken) track shoes. (A dead track shoe appears to be out of line.) _____
- g. Check for exposed binocular tubes on roadwheel path and or grouser surface IAW TM. _____

**25. FUEL FILLER
NECKS, TANK, AND
COVERS**

Filler strainers shall be serviceable and clean. Neck cap, chain, grommet cover, and hardware shall be serviceable. Leaks are unacceptable _____

**26. TOW PINTLE,
TOW POINTS ON
HULL**

- a. Locks, safety pins, and chains shall be installed and free of damage. _____
- b. Tow pintle shall open and rotate properly, cracks and excessive play is unacceptable. _____

27. BATTERIES

a. Must start engine; no corrosion present.

b. Battery cables shall be tight and rubber covers serviceable and installed correctly.

c. Fluid levels shall be correct.

d. Battery compartment shall be clean.

e. Access doors and hardware shall be serviceable.

**28. PTS
ACTUATOR** ☐

Visually inspect PTS actuator. Bottom elbow shall be parallel to the center line of the cylinder hose. Swaged end shall be toward the front of the engine. Swaged end of the top hose will be positioned at approximately the 6 - 7 o'clock position.

ITEM	STANDARD	INSPECTOR
29. AIR INDUCTION SYSTEM	<p>a. Access doors, grills, and mounting hardware shall be serviceable.</p> <p>b. Precleaner assembly shall be free of dents and cracks. Must seal on plenum box. Latches shall be serviceable. Damaged Vortex Tubes shall not exceed 9 unserviceable tubes.</p> <p>c. Air cleaner elements (VEE-Packs) shall be clean and serviceable.</p> <p>d. Plenum box shall be clean and free of cracks and broken welds.</p> <p>e. (Vehicles equipped with PJAS) Perform PJAS operational check, maintain 1550 RPM for 2 minutes. System shall complete cleaning cycle of 27 pulses.</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
30. ENGINE OIL TANK/SYSTEM	Oil leaks are unacceptable. Damaged lines, components, and loose connections are unacceptable. TI 08953A-15/4 relates. Refer to Leakage Criteria.	_____
31. FUEL SYSTEM	Fuel lines shall be free of damage. Fuel leaks are unacceptable. Fire sheathing shall be serviceable. Loose connections are unacceptable. NOTE: IGV/PTS components are part of the fuel system.	_____
32. AIR BLEED TUBE	Shall be free of cracks, breaks, holes, or tears. All mounting hardware and clamps shall be serviceable and tight.	_____
33. AIR SCAVENGER TUBE	Cracks, breaks, holes, or tears are unacceptable. All mounting hardware and clamps must be serviceable and tight.	_____
34. ELECTRICAL HARNESS	Cracks, breaks, bare wires, cracks in heat shrink material and protrusions, or wire braiding are unacceptable	_____
35. SMOKE GENERATOR SYSTEM	Damaged, leaking, loose lines and hoses, fittings, clamps, and mounting hardware are unacceptable.	_____
36. TRANSMISSION	<p>Transmission components shall be free of damage.</p> <p>Leakage Criteria: No drip except during and immediately after engine operation, when a drip of 1 drop per 5 minutes is allowed at the Output seal area.</p>	<p>_____</p> <p>_____</p>

ITEM	STANDARD	INSPECTOR
37. ENGINE AND TRANSMISSION OIL COOLING SYSTEM	a. Fan and coolers must be clean.	_____
	b. Cracked, missing, or damaged hardware, tubes and fittings are unacceptable.	_____
	c. Oil leaks are unacceptable.	_____
38. OIL CROSS OVER TUBE	Damaged tube fittings and oil leaks are unacceptable. Tube shall not be laying on exhaust duct.	_____
39. ENGINE EXHAUST DUCT	a. No exhaust leaks.	_____
	b. Seals shall be free of dents, holes, cuts, burns, or damaged/missing hardware.	_____
40. ENGINE COMPARTMENT	a. Dirty or damaged fire sensors are unacceptable.	_____
	b. Any missing or damaged heat shields are unacceptable.	_____
	c. All hoses, fittings, fluid lines, wiring harnesses, connections/connectors and hardware shall be tight and free of damage that shall be detrimental to operation.	_____
	d. All components shall be mounted properly with serviceable hardware.	_____
	e. Brake and steering controls shall be free from damage.	_____
	f. Mounting pins shall be serviceable and chains shall be mounted.	_____
	g. Electrical panel connectors shall be free of arcing Connectors shall lock tight to the panel.	_____
	h. No more than 1 quart of oil consumption permitted in 1 hour.	_____
	Leakage Criteria: (Engine/Transmission Mating Area) No more than 4 drops of fluid per minute. (Engine) A total of 3 drops, 9ccs, per minute is allowed at the Accessory Gearbox drains during engine running or up to 2 hours after shutdown. No evidence of oil at any of the 4 weep holes. (Output Shaft Seal, # 10) Shall not exceed 2 drops, 6ccs, per minute during engine running or up to 2 hours after shutdown. (All other areas) Shall exhibit no leakage greater than 2 drops, 0.1ccs, per hour.	
ITEM	STANDARD	INSPECTOR

**41. HEAT
EXCHANGER
HYDRAULIC**

Must be clean, no oil leaks, and all components shall be serviceable _____

**42. FIRE
EXTINGUISHER**

a. Check all fire bottle gages for proper pressure relative to ambient temperature. All labels shall be legible. _____

b. Check for proper mounting, adjustment and serviceability of all hardware _____

c. Verify bottles are tight, in mounting brackets, and torqued properly. _____

d. Insure safety pin and anti-recoil plug are present and serviceable. _____

e. Hydrostatic Test Date **MUST** have three (3) years remaining; if not, fire extinguisher **MUST** be Hydrostatically tested and stamped with the correct date. _____

NOTE: In addition, Hydrostatic Test Date shall be stenciled in 1 inch letters in a visible area on the fire bottle.

**43. HYDRAULIC
SYSTEM
RESERVOIR** ☐

a. Filter indicators shall not be popped out. _____

b. Safety pins shall be present. _____

c. Filter and indicators shall be safety wired. _____

d. Loose or damaged hardware and components are unacceptable. _____

e. Fluid level shall be FULL at O pressure. _____

f. Check Hull distribution manifold for leaks. _____

ITEM	STANDARD	INSPECTOR
44. HULL AMMUNITION COMPARTMENT	<p>a. Pins and door shall be serviceable and operate freely.</p> <p>b. Excessive looseness, broken rollers etc. that will cause door to bind on track is unacceptable.</p> <p>c. Mounting brackets and seals shall be free from distortion.</p> <p>d. Tubes shall be serviceable, plunger must move freely.</p> <p>e. Bent, broken or missing springs are unacceptable. Angle of spring shall be less than 90 degrees.</p> <p>f. Shall be clean and free of moisture.</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
45. HULL ELECTRICAL	All cables shall be free of damage. Mounting hardware and connectors shall be serviceable.	_____
46. STEERING BRAKE CONTROLS	Must be serviceable. No binding and function properly.	_____
47. HULL ELECTRICAL NETWORKS BOX	Must be free from cracks, breaks, loose connections. All circuit breakers shall operate properly and labeling legible.	_____
48. PERSONNEL HEATER	<p>a. Shall operate properly. Insure all indicator lamps function.</p> <p>b. Heater controls shall operate freely. No fuel or exhaust leaks are acceptable.</p>	<p>_____</p> <p>_____</p>
49. DRIVERS NIGHT VISION □	<p>a. System shall be operational and checked with operational DNV. Mounting and storage device shall be serviceable.</p> <p>b. DNV shall operate properly.</p>	<p>_____</p> <p>_____</p>

ITEM	STANDARD	INSPECTOR
50. DRIVER'S HATCH	<p>a. Shall open, close, and lock into position freely.</p> <p>b. Seal shall be serviceable. Minor nicks and cuts that do not effect serviceability are acceptable.</p> <p>c. Periscopes shall be installed and serviceable. Wipers/ washer must be operational.</p> <p>d. Knobs shall operate freely. All hardware shall be present and serviceable.</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
51. DRIVER'S DOME LIGHT <input type="checkbox"/>	Must operate properly. Lenses shall not be cracked or broken. All mounting hardware shall be installed and serviceable. Red or blue lenses are acceptable.	<p>_____</p>
52. DRIVER'S SEAT <input type="checkbox"/>	<p>a. Shall be serviceable. All adjustments shall operate properly.</p> <p>b. Headrest shall be serviceable and lock into position.</p> <p>c. Cushion tears of 1 inch or less may be taped.</p>	<p>_____</p> <p>_____</p> <p>_____</p>
53. TURRET PUMP/GAGE	Check operation and component serviceability. Seal must hold 25 PSI for a minimum of 20 minutes.	<p>_____</p>
54. BILGE PUMP	Must be serviceable with no unusual noise.	<p>_____</p>
55. CLEANLINESS OF VEHICLE	Vehicle must be clean. <input type="checkbox"/>	<p>_____</p>
56. NBC BACK-UP SYSTEM	<p>a. Hose, connectors, and orifices shall be serviceable.</p> <p>b. Air flow must be evident at hose end with system operating.</p> <p>NOTE: At all crew stations (4)</p>	<p>_____</p> <p>_____</p>

<u>ITEM</u>	<u>STANDARD</u>	<u>INSPECTOR</u>
57. MAIN NBC SYSTEM	a. Remove NBC sponson covers and insure box is clean and replace seal.	_____
	b. With engine running at tactical idle, check that the NBC main mode light is lit. Feel for air escapage at all hoses and clamps in box.	_____
	c. Turn air temp control knob to full warmer position and feel for warm air at bulk dump valve on the NBC filter manifold.	_____
	d. While turning air control knob from full cooler position to full warmer position, have a crewmember observe the NBC exhaust output on the left side of the tank. A change in the NBC exhaust output should be noticed. If a noticeable change in the NBC exhaust does not occur, or there is no output at the NBC exhaust duct, the tank is non-mission capable (NMC).	_____ _____
	e. Comply with all "Safety of Use Messages."	_____

TURRET

<u>ITEM</u>	<u>STANDARD</u>	<u>INSPECTOR</u>
1. TURRET EXTERIOR	Storage boxes shall be complete and serviceable.	_____
2. GUN MOUNT	a. Hydraulic leaks are not acceptable.	_____
	b. Hose connections shall be secure.	_____
	c. Mounting hardware for all components shall be secure and serviceable.	_____
	d. Replenisher oil level shall be above minimum.	_____
	e. Exercise gun if over 90 days has elapsed since last exercise.	_____
3. GUN TUBE	NOTE: recoil leak criteria applies after exercising/firing.	_____
	a. Shall be inspected in accordance with TM 9-1000-202-14.	_____
	b. Must have 50% remaining gun tube life for MPS. Must have 20% remaining gun tube life for the FMF.	_____
	c. Parts I & II of the Weapons Record Book shall be complete IAW TM 4700-15/1_.	_____
	d. Shall be clean.	_____
4. BORE EVACUATOR	a. Inspect for cracks, dents, and punctures. Ensure all mounting hardware is serviceable and complete.	_____
	b. Shall be properly installed.	_____
5. THERMAL SHROUDS	a. Shall be installed properly and free of damage.	_____
	b. Cracks are not acceptable.	_____

ITEM	STANDARD	INSPECTOR
6. MUZZLE REFERENCE	<p>a. Evidence of moisture inside is unacceptable. _____</p> <p>b. Cracks, breaks, and loose or missing hardware is unacceptable.. _____</p> <p>c. Caution/instruction plate shall be installed and legible. _____</p> <p>NOTE: With MRS lever to the IN position, reticle must be clear and visible</p>	
7. BREECH GROUP	<p>a. Breech block and loaders tray shall operate without binding and be free of burrs and cracks. _____</p> <p>b. Chamber, block, breech ring, and extractors shall be free of corrosion/rust and excess wear. _____</p> <p>c. All components shall clean, lubricated, and function properly. _____</p>	
8. FIRING CIRCUIT BLASTING MACHINE □	<p>a. Harnesses/wiring must be properly installed and in good condition. _____</p> <p>b. Safety switches and relays shall be properly installed and function properly. _____</p> <p>c. Firing at all stations shall be functional when checked with firing circuit tester. _____</p> <p>d. Must pass firing inhibit checks. _____</p>	
9. MAIN HYDRAULIC PUMP □	<p>a. Pressure shall stay between 1500 - 1700 PSI with the engine running. _____</p> <p>b. Unusual noises in pump during operation as well as any hydraulic leaks are unacceptable. _____</p>	
10. AUXILIARY HYDRAULIC PUMP	<p>a. Pressure shall stay between 1150 - 1700 PSI. _____</p> <p>b. Unusual noises during operation as well as any hydraulic leaks are unacceptable. _____</p>	

ITEM	STANDARD	INSPECTOR
11. MAIN ACCUMULATOR <input type="checkbox"/>	a. Nitrogen pressure must be between 600 - 800 PSI. b. All mounting hardware must be serviceable and installed correctly.	_____ _____
12. ELEVATION MECHANISM	a. Hydraulic leaks are unacceptable. b. All mounting hardware shall be serviceable and installed properly. c. Cylinder check valves shall be laced. d. Filter indicators should not be popped out.	_____ _____ _____ _____
13. LIGHT SWITCHES RHEOSTATS	a. Shall be properly installed and function properly	_____
14. SMOKE GRENADE SYSTEM	a. Switches, wiring, and electrical components shall be properly installed and serviceable. b. All mounting brackets shall be free of cracks, broken welds etc. All hardware shall be installed and tight.	_____ _____
15. GUNNER'S PRIMARY SIGHT <input type="checkbox"/>	a. Must be complete. Ballistic doors must function properly. b. Must pass all functional tests and checks. c. All lights, switches, knobs, and levers must be complete and function properly. d. Leakage of water between Turret and GPS is not acceptable. If questionable, check with water from outside of Turret. No leakage is acceptable. e. Moisture and/or fungus present in sight is unacceptable.	_____ _____ _____ _____ _____
16. GPS EXTENSION	a. Field of view must be equal to that of the GPS. b. Diopter setting shall be capable of +2 to -6. c. Moisture or fungus in sight is unacceptable.	_____ _____ _____

ITEM	STANDARD	INSPECTOR
17. GUN/TURRET POWER CONTROL	a. Control handles must be capable of operation in elevation and azimuth. Commander's handle must override. b. Check for proper response and smoothness. c. Check azimuth deck clearance switch for proper operation.	_____ _____ _____
18. GUN/TURRET MANUAL CONTROL	a. Must be capable of elevation/depression and azimuth movement of the turret and gun. b. Check for proper response and smoothness. c. Turret shall traverse in both speeds.	_____ _____ _____
19. STABILIZA- TION	Must be capable of maintaining target acquisition regardless of hull movement.	_____
20. LOADER'S PANEL	Must be installed properly. All switches and lights shall be functional.	_____
21. COMMANDER'S PANEL	Must be installed properly. All switches and lights must be functional. All panel functions must be operational.	_____
22. LOADER'S STATION <input type="checkbox"/>	a. Seat and platform must lock in all positions. b. Knee, toe, and shoulder guards must be installed and free of damage c. Cushions will have no padding missing. Tears exceeding 1 inch are not acceptable. Tears less than 1 inch must be taped.	_____ _____ _____
23. LOADER'S HATCH	a. Hatch must be operational and lock in all positions. b. Seals must be serviceable. c. Periscope turntable must operate smoothly	_____ _____ _____
24. LOADER'S MACHINE GUN MOUNT	a. Missing or damaged parts are unacceptable. b. Pintle mount, skate, and locks must be fully operational, without binding.	_____ _____

ITEM	STANDARD	INSPECTOR
25. GUN/TURRET LOCKS	Missing, bent, or damaged parts or welds are unacceptable. Must engage and disengage properly.	_____
26. COMMANDER'S STATION □	a. Seat and platform must lock in all positions.	_____
	b. Guards must be installed, operational and free from damage.	_____
	c. Cushions will have no padding missing. Tears exceeding 1 inch are unacceptable. Tears of 1 inch or less will be taped.	_____
27. COMMANDER'S HATCH	a. Must be serviceable and lock in all positions.	_____
	b. Seal must be serviceable.	_____
28. COMMANDER'S WEAPON STATION □	a. Must be capable of 360 degree traverse in both power and manual modes.	_____
	b. Operation must be smooth during tracking.	_____
	c. Commander's sight must be properly installed and the field of view shall follow the motion of the gun.	_____
	d. Sight must be free of moisture and fungus.	_____
29. GUNNER'S STATION □	a. Seat must be complete and must lock in all positions.	_____
	b. All guards must be installed, free of damage and operate properly.	_____
	c. Cushions will have no padding missing. Tears exceeding 1 inch are not acceptable. Tears of 1 inch or less shall be taped.	_____
30. GUNNER'S AUXILIARY SIGHT	a. Check for proper function, i.e. reticle brightness, focusing ring, filter knob, and selector knobs.	_____
	b. Moisture and/or fungus in sight is unacceptable.	_____
31. TURRET DISTRIBUTION MANIFOLD	Check for leaks. Leakage is unacceptable.	_____

ITEM	STANDARD	INSPECTOR
32. TURRET NETWORKS BOX □	<p>a. Check for proper installation of all components, wiring harnesses, circuit breakers, and connectors.</p> <p>b. Check all visible harness assemblies near the electronics rack and networks box for frayed insulation and broken wires.</p> <p>c. Check all visible ground points for cracks, broken lugs, or loose connections.</p>	<p>_____</p> <p>_____</p> <p>_____</p>
33. TRAVERSING MECHANISM □	<p>a. Must be properly installed and functional.</p> <p>b. Fluid must be at the proper level</p> <p>c. Manual drive mode light must come ON when manual palm handle is depressed.</p> <p>d. Filter indicators shall not be popped out.</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
34. WIRING HARNESS	<p>a. Check for “ F “ symbol and fire control fault malfunction light.</p> <p>b. Check for cracks, breaks, cracks in heat shrink material, and protrusions of wire or abrading.</p> <p>c. All cables within the turret, especially those near the circuit breaker box and loader's position, should be dressed and tie wrapped.</p>	<p>_____</p> <p>_____</p> <p>_____</p>
35. AMMO STORAGE TURRET	<p>a. Doors must be operational. Knee switch and door edge safety switches must be operational. All mounting hardware, hoses, pins, and latches must be serviceable and function properly.</p> <p>b. Seals and rails must be clean and free of cracks burrs, breaks and excessive wear.</p> <p>c. Caliber .50 and 7.62 ammo boxes must be serviceable and installed properly.</p>	<p>_____</p> <p>_____</p> <p>_____</p>

ITEM	STANDARD	INSPECTOR
36. CROSSWIND SENSOR □	<p>a. Must be installed properly. Mount should be free of cracks. Latch assemblies and strikes must be free from cracks, bends, breaks, loose or missing screws and must lock tightly in the upright position. Fraying of cable is unacceptable</p> <p>b. Sensor ports must be clean and free of cracks and dents</p> <p>c. Web strap must be serviceable. Fraying or missing strap components is unacceptable</p> <p>d. Cushioning pad must be serviceable and glued properly.</p> <p>e. Must function properly.</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
37. COMPUTER CONTROL PANEL	<p>a. Computer must accept and store all inputs from the control panel and TCP.</p> <p>b. Must pass computer self test</p>	<p>_____</p> <p>_____</p>
38. BORESIGHT	<p>Boresight main gun and fire control systems. Ensure system is capable of achieving and maintaining boresight information.</p>	<p>_____</p>
39. PURGING, CHARGING, SERVICING	<p>a. GPS.</p> <p>b. GAS.</p> <p>c. Commander's Extension.</p> <p>d. CWS Sight.</p> <p>e. LRF.</p> <p>f. ICU</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
	<p>NOTE: Moisture and/or fungus in sights is unacceptable.</p>	
40. THERMAL IMAGING SYSTEM	<p>a. Perform TIS checkout procedure.</p> <p>b. Insure all knobs and switches operate properly.</p>	<p>_____</p> <p>_____</p>

ITEM	STANDARD	INSPECTOR
41. LABELS DECALS □	a. All labels and decals must be affixed throughout the turret. b. All labels shall be legible and not obstructed by paint or grease.	_____ _____
42. PLRS	Ensure all mounting hardware is complete.	_____
43. MCD	Ensure all mounting hardware is complete.	_____
44. EAPU □	a. Unit must be installed properly and securely in the bustle rack. b. Class I, II, and III oil and fuel leaks are unacceptable. c. Battery box and cables shall be clean and tight. Fluid levels shall be correct. d. Check units' operation from all positions and voltage output.	_____ _____ _____ _____
45.COMMUNICA- TIONS □	a. Ensure intercom system is operational from all crew stations. b. Ensure "SINCGARS Installation Kit" is installed and complete.	_____ _____

APPENDIX C

LEAKAGE TERMINOLOGY IS DEFINED AS:

1. CLASS I: Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops.
2. CLASS II: Leakage of fluid great enough to form drops but not enough to cause drops to drip from the item being checked.
3. CLASS III: Leakage of fluid great enough to form drops that fall from the item being checked.
4. WEEP: Any non-recurring evidence of fluid beyond the seal or joint.
5. SEEP: Any recurring evidence of fluid beyond the seal or joint that does not result in an accumulation of more than .05 cc volume.
6. DROPLET: Any recurring evidence of fluid beyond the seal or joint that does not result in an accumulation of more than .05 cc that does not fall.
7. DROP: A volume of .05 cc.
8. DRIP: Any recurring evidence of fluid beyond the seal or joint where a droplet or more forms and falls.

APPENDIX D

M1A1 WEEKLY STATUS REPORT

				10%	20%	30%	35%	40%	50%	55%	60%	70%	80%	90%				95%		100%	
Prod. #	Job #	USMC#	Status	Tear Down	Steam	Hull Station	Turret Station	Service Pack	Susp.	Install Pack	NBC	1600 Test	Road Test	1800 Test	Commo	Steam	Paint	CWC	P&P	Div Final	Remarks
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			Out																		
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(1 Data Item)

OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TOP TM OTHER	X
D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR	

M1A1 Main Battle Tank

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
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A001	Contractor's Progress, Status, and Management Report
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4. AUTHORITY (Data Acquisition Document No.): DI-MGMT-80227	5. CONTRACT REFERENCE SOW 4.2	6. REQUIRING OFFICE MCI:BA (833)
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY WKLY	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION
				8 COPIES

9. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	R ADDRESSEE	Draft	File	Reg	Repro
A		See Blk 16					

16. REMARKS Contractor format is authorized.	MCI BA (833-3)	0	1	0
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Blk 4 - Tailor DI-MGMT-802.7 as follows: Delete paragraphs 10.3g, 10.3h, 10.3i, 10.3j, 10.3k, and 10.3n

Blk 12 - The reporting period shall be from the first to last business day of each week. Initial submission shall be 30 DAC.

Blk 13 - Subsequent submissions shall be 10 days after the last business day of each month.

Distribution Statement A: Approved for public release, distribution is unlimited.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Figure 1 shows a 2D hexagonal lattice of atoms. A central atom is highlighted, and a red arrow indicates a hopping process to a neighboring atom. The lattice is bounded by a dashed line.

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G. PREPARED BY <i>[Signature]</i>		H. DATE	I. APPROVED BY <i>[Signature]</i>	J. DATE
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Sept 11 Eggs	17 Oct 00	Judge E. Mathis	17 Oct 00
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DD FORM 1423-1, AUG 96 (EG) PREVIOUS EDITION MAY BE USED. Page of Page
Designed using Perform Pro, WHS/DOR, Aug

(1 Data Item)

OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuance Contracting Officer for the Contract, PR No. listed in Block E.

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
M1A1 Main Battle Tank		

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-ILSS-80386	SOW 4.2	MLCBA (833)

16. REMARKS	MCLBA (833-3)	0	1	0
Contractor format is authorized.				

Blk 10 - A separate report shall be submitted for each M1A1 Main Battle Tank repaired.

Blks 12 & 13 - Submit report by Marine Corps Serial Number 30 days after completion of each M1A1 Main Battle Tank.

Blk 14 - Reports shall be provided on hard copy.

Distribution Statement A: Approved for public release, distribution is unlimited.

[illegible]

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

G. PREPARED BY <i>[Signature]</i>	H. DATE 12/1/00	I. APPROVED BY <i>[Signature]</i>	J. DATE 17/01/00
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(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington and Repairs (DOD) DIRM: 1215 Jefferson Davis Highway, Suite 1204 Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a current valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Centre for the Study of the History of the US Military in the Pacific (CSHMIP) at Box 1.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
		TDP TM OTHER X

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
M1A1 Main Battle Tank		

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
C001	Request For Deviation	Configuration Management

4. AUTHORITY (Data Acquisition Document No.):	5. CONTRACT REFERENCE:	6. REQUIRING OFFICE:
DI-CMAN-80640C	SOW 3.3.2	MCLBA (851)

7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY ASREQ	12. DATE OF FIRST SUBMISSION SEE BLK 16	14. DISTRIBUTION
8. APP CODE	A	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a ADDRESSEE b COPIES Craft Final Reg Repre

16. REMARKS				
Blk 4 - Contractor format is authorized and shall be submitted in .doc or .pdf format.				

Blks 10 & 12 - RFDs will be reviewed and disposition determined within 30 calendar days upon receipt by the Government.

RFDs shall be submitted via e-mail to the following address:
mbmatecomconfigmgmnt@ma.com.usmc.mil

Distribution Statement A: Approved for public release, distribution is unlimited.

[illegible]

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Ann Owens	16 Oct 2020	[Signature]	17 Oct 20